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पुटिंग शॉट्स — विशिष्टि  
( दूसरा पुनरीक्षण )

Putting Shots — Specification  
( Second Revision )

ICS 97.220.40

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Price Group 2

## FOREWORD

This Indian Standard (Second Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Sports Goods Sectional Committee had been approved by the Production and General Engineering Division Council.

This standard was first published in 1967 and subsequently revised in 1988. The first revision was brought out mainly to align the standard with the latest rules of the International Association of Athletics Federations, as desired by the Consultative Committee of Parliament for the Department of Youth Affairs and Sports.

The shot put is one of the four throwing events in regular track and field competitions, along with the discus throw, hammer throw and javelin.

The shot put event involve “putting” (pushing rather than throwing) a heavy spherical ball the shot as far as possible.

This revision has been undertaken to align it with the latest competition rules issued by International Association of Athletics Federations.

The major changes in this revision are mention below:

- a) The shots are classified based on age group;
- b) Modifications in requirements for mass of the putting shots have been made; and
- c) Requirement for surface smoothness has been incorporated.

The composition of the Committee responsible for formulation of this standard is given in Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated expressing the result of a test or analysis shall be rounded off in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (*second revision*)’.

# Indian Standard

## PUTTING SHOTS — SPECIFICATION

( Second Revision )

### 1 SCOPE

This standard prescribes requirements for dimension, material and construction details for putting shots for competition.

### 2 TYPES

Based on the requirements of different age group, shot puts are classified into following types:

- a) WU18 — It is recommended to use for women under 18 years of age;
- b) WU20/SW — It is recommended to use for women under 20 years of age or senior women;
- c) BU18 — It is recommended to use for boy under 18 years of age;
- d) BU20 — It is recommended to use for boy under 20 years of age; and
- e) SM — It is recommended to use for senior men.

### 3 REQUIREMENTS

#### 3.1 Material

The shots shall be manufactured from solid cast iron, brass or any other metal not softer than brass, or a shell of such metal filled with lead or other material.

#### 3.2 Weight and Diameter

Weights and diameters of different types of putting shot shall be as given in Table 1.

### 4 MANUFACTURE, WORKMANSHIP AND FINISH

4.1 The shots shall be spherical in shape. When filled, the filling shall be immovable and the center of gravity

shall not be more than 6 mm from the center of the sphere.

4.2 The shots shall not have any protruding edges and the surface shall be finished smooth. The surface average height must be less than 1.6  $\mu\text{m}$  that is, a roughness number N7 or less.

### 5 TEST FOR CENTRE OF GRAVITY

The shots shall balance on a horizontal sharp-edged circular orifice, 12 mm in diameter, in different positions (*see* Fig. 1).

### 6 PACKING AND MARKING

#### 6.1 Packing

The shots shall be packed as agreed to between the purchaser and the supplier.

#### 6.2 Marking

6.2.1 Each shot/package shall be marked with the following information:

- a) The manufacturer's name;
- b) Weight;
- c) Type of shot; and
- d) Initials or recognized trademark.

#### 6.2.2 BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the *Rules and Regulations* framed thereunder, and the products may be marked with the Standard Mark.

**Table 1 Requirements for different types of Putting Shots**  
(Clause 3.2)

SI No.	Requirements	WU18	WU20/SW	BU18	BU20	SM
(1)	(2)	(3)	(4)	(5)	(6)	(7)
i)	Weight, kg, <i>Min</i> for admission to competition and acceptance of a record	3.000	4.000	5.000	6.000	7.260
ii)	Diameter, mm	85 to 100	95 to 110	100 to 120	105 to 125	110 to 130

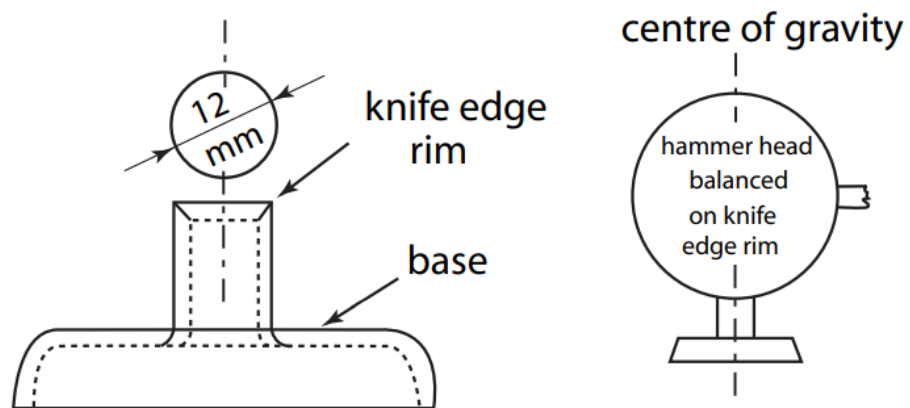


FIG. 1 SUGGESTED APPARATUS FOR TESTING CENTRE OF GRAVITY

## ANNEX A

(Foreword)

## COMMITTEE COMPOSITION

Sports Goods Sectional Committee, PGD 41

<i>Organization</i>	<i>Representative(s)</i>
Sports Goods Export Promotion Council	SHRI TARUN DEWAN ( <b>Chairman</b> )
B D Mahajan and Sons Pvt Ltd, Meerut	SHRI RAKESH MAHAJAN
Bhalla International, Meerut	SHRI ASHOK BHALLA
Central Institute of Plastics Engineering and Technology (CIPET), Murthal	DR S. N. YADAV
Consumer Association of India (CONCERT), Chennai	SHRIMATI NIRMALA DESIKAN SHRI M. R. KRISHNAN ( <i>Alternate</i> )
COSCO (India) Pvt Ltd, Gurugram	SHRI NARINDER JAIN SHRI MANISH JAIN ( <i>Alternate</i> )
Director Equipment Sports Authority of India, New Delhi	DR RAJIV
Freewill Sports (Pvt) Ltd, Jalandhar	SHRI RAJESH KHARBANDA
Government e-Marketplace (GeM)	SHRI N. K. MALHOTRA, ASSISTANT DIRECTOR
Gymnastic Federation	SHRI RIAZ BHATI
Hockey India	COMMANDER R. K. SRIVASTAVA
Indian Rubber Manufacturers Research Association, Mumbai	DR K. RAJKUMAR
NELCO (India) Pvt Ltd, Meerut	SHRI KAMAL ANAND
Office of Development Commissioner, Delhi	SHRI S. N. TRIPATHI
Process Cum Product Development Centre, Meerut	SHRI SUNIL GUPTA SHRI V. K. SINGH ( <i>Alternate</i> )
Premier Leg guard works, Meerut	SHRI SUMNESH AGARWAL
Sports Goods Manufacturing Industry in India (SGMEA), Meerut	SHRI PUNEET ANAND ALOK MISHRA ( <i>Alternate</i> )
Shriram Institute for Industrial Research, Delhi	DR RAJESH KUMAR RAINA
Sports Goods Manufacturers and Exporters Association, Jalandhar	SHRI VIPIN MAHAJAN
Stag International Sports, Meerut	SHRI RAKESH KOHLI SHRI VIVEK KOHLI ( <i>Alternate</i> )
The Sports Goods Export Promotion Council, New Delhi	SHRI JAGJIT SINGH
Universal Sports, Jalandhar	SHRI ANURAG CHADHA
VATS Sports, Meerut	SHRI LOKESH VATS
VOICE, Delhi	SHRI M. A. U. KHAN
BIS Directorate General	SHRI NAVINDRA GAUTAM, SCIENTIST 'E' AND HEAD (PGD), [REPRESENTING DIRECTOR GENERAL ( <i>Ex-officio</i> )]

*Member Secretary*SHRI AJAY KUMAR  
SCIENTIST 'B' (PGD), BIS





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### Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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